# Recombinant Human BLK Protein (His Tag)

**Catalog Number:PKSH032011**

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

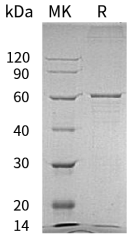
## Description

| | |
|---|---|
| **Synonyms** | Tyrosine-Protein Kinase Blk;B Lymphocyte Kinase;p55-Blk;BLK;MODY11 |
| **Species** | Human |
| **Expression Host** | E.coli |
| **Sequence** | Gly2-Pro505 |
| **Accession** | P51451 |
| **Calculated Molecular Weight** | 58.7 kDa |
| **Observed molecular weight** | 50-65 kDa |
| **Tag** | C-His |

## Properties

| | |
|---|---|
| **Purity** | > 85 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| **Shipping** | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C. |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 1mM DTT, pH 7.4. |
| **Reconstitution** | Not Applicable |

## Data




> 85 % as determined by reducing SDS-PAGE.

## Background

Tyrosine-Protein Kinase Blk (BLK) contains one protein kinase domain, one SH2 domain and one SH3 domain. BLK is a non-receptor tyrosine kinase, which is involved in B-lymphocyte development, differentiation and signaling. B-cell receptor (BCR) signaling requires a tight regulation of several protein tyrosine kinases and phosphatases, and associated coreceptors. Signaling through BLK plays an important role in transmitting signals through surface immunoglobulines and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor. Defects in BLK are a cause of maturity-onset diabetes of the young type 11 (MODY11).

**For Research Use Only**

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com